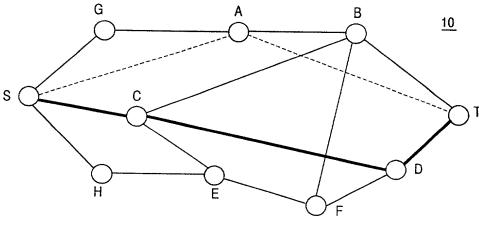
Fig. 1



----- IGP Shortest Path From S to T

Traffic Engineering Path From S to T

Fig. 4

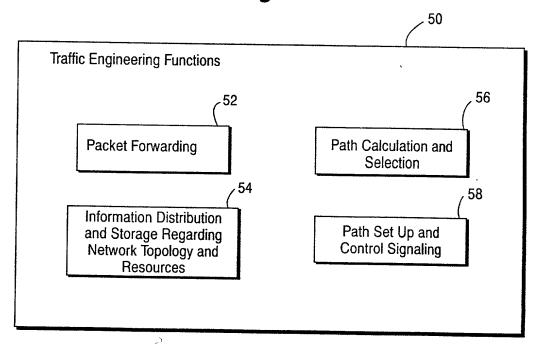
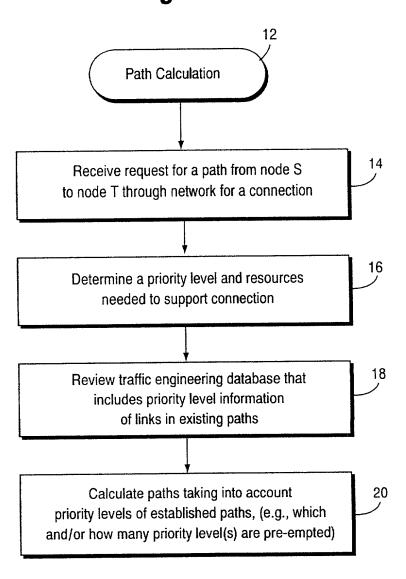


Fig. 2



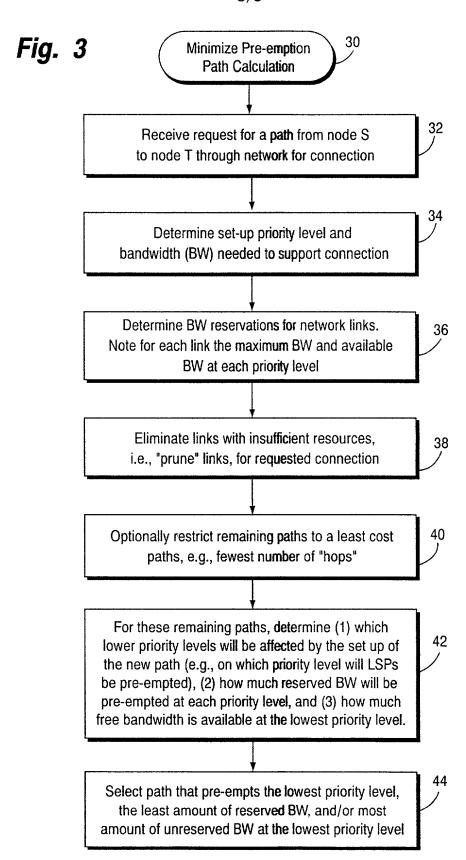
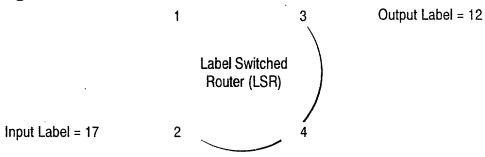


Fig. 5

MPLS Forwarding Table

Input	Input Label	Output	Output Label
		•	
	-	•	•
	•_		•
2	17	3	12
	•	•	•
		•	•
	•	•	•

Fig. 6



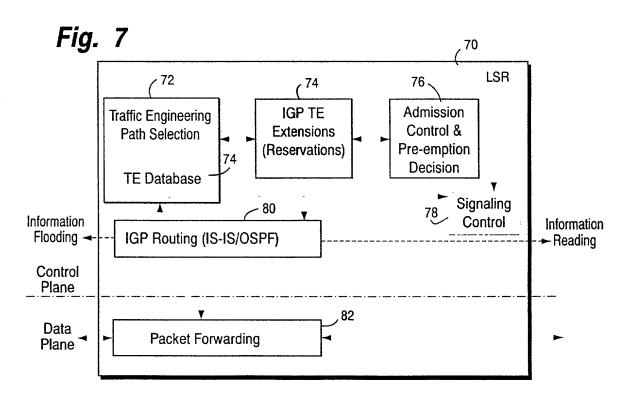
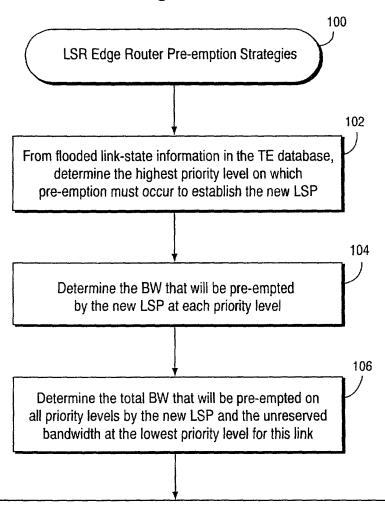


Fig. 8



Example Pre-emption Minimization Strategies

- · minimize affected priority levels along the path,
- at the affected priority level, minimize affected bandwidth,
- maximize unreserved bandwidth at the lowest priority level,
- · employ any combination of the above,
- complement any of the above with one or more other strategies before or after pre-emption reduction, (e.g., first restrict path selection to least cost paths based on the original OSPF link cost as a link metric, then maximize free bandwidth, then minimize affected highest priority level, then minimize affected bandwidth at the affected levels, etc.)

108